CLAIMS

1. A load driver comprising:

an inverter (20) driving a load (MG);

a voltage converter (11) executing voltage conversion between a power supply (B) and said inverter (20); and

a control device (30) controlling said inverter (20) to drive said load (MG) by changing control mode of said load (MG), upon receiving a command to perform a boosting operation by said voltage converter (11) when the control mode of said load (MG) is a rectangular-wave control mode.

2. The load driver according to claim 1, wherein

said control device (30) controls said inverter (20) to drive said load (MG) by changing said control mode to a pulse-width-modulation control mode.

3. The load driver according to claim 1 or 2, wherein

said control device (30) controls said inverter (20) to drive said load (MG) by further suppressing increase of a torque command value.

4. A load driver comprising:

an inverter (20) driving a load (MG);

a voltage converter (11) executing voltage conversion between a power supply (B) and said inverter (20); and

a control device (30) controlling said inverter (20) to drive said load (MG) by suppressing increase of a torque command value, upon receiving a command to perform a boosting operation by said voltage converter (11) when control mode of said load (MG) is a rectangular-wave control mode.

5. A load driver comprising:

an inverter (20) driving a load (MG);

a voltage converter (11) executing voltage conversion between a power supply (B) and said inverter (20); and

a control device (30) controlling said inverter (20) to drive said load (MG) in a control mode except for a rectangular-wave control mode when said voltage converter (11) performs a boosting operation.